Workshops

Monday, 13 July 2009 – Workshops	
MWA • Room S228	
Topic: Specialty Optical Fibers, Where is the Next Big Breakthrough? Chair: Liang Dong (IMRA America, USA)	
8:30 a.m. – 9:00 a.m.	**MWA1 • Bi-doped Optical Fibers and their Potential Applications** Speaker: Evgeny Dianov (Fiber Optics Research Center of the Russian Academy of Sciences, Russia)
9:00 a.m. – 9:30 a.m.	**MWA2 • Design and Application of All-solid Microstructured Optical Fibers** Speaker: Kunimasa Saitoh (Hokkaido University, Japan)
9:30 a.m. – 10:00 a.m.	**MWA3 • Recent Developments in Fiber Optic Parametric Amplifiers** Speaker: John Harvey (University of Auckland, New Zealand)
10:00 a.m. – 10:30 a.m.	**MWA4 • Recent Advances in Highly Nonlinear Microstructured Optical Fibers** Speaker: Francesco Poletti (University of Southampton, UK)
10:30 a.m. – 11:00 a.m.	**MWA5 • Large Core Optical Fibers and their Applications in High Power Fiber Lasers** Speaker: Liang Dong (IMRA America, USA)
MWB • Room S224 – S225	
Topic: Optical Fiber Sensors: Overview and Opportunity Chair: Alexis Mendez (MCH Engineering, USA)	
10:45 a.m. – 12:45 p.m.	**MWB1 • The Future of Fiber-optic Sensors for Biomedical Applications** Speaker: Robert McLaughlin (University of Western Australia, Australia)
	MWB2 • Emerging Fiber Component Technologies for Sensors Speaker: John Canning (University of Sydney, Australia)
	MWB3 • Fiber-optic Sensor Systems in the Real World – Opportunities and Obstacles Speaker: Wolfgang Ecke (IPHT, Germany) **[Cancelled]**
	MWB4 • Overview of Trends in Optical Fiber Sensors Speaker: Alexis Mendez (MCH Engineering, USA)
	MWB5 • Applications of Fiber Laser Based Sensors Speaker: Gang-Ding Peng (University of New South Wales, Australia)

Workshops

Monday, 13 July 2009 – Workshops	
MWC • Room S224 – S225	
Topic: Power LED Materials and Devices for Solid-state Lighting Chair: Shu Yuan (ASTRI, Hong Kong)	
2:00 p.m. – 2:15 p.m.	**Welcome Speech** Speaker: Francis Lee (Material and Packaging Technologies Group, ASTRI, Hong Kong, China)
2:15 p.m. – 2:45 p.m.	**MWC1 • Integrated SSL Design for General Lighting** Speaker: Tony van de Ven (Cree Asia-Pacific Limited, Hong Kong, China)
2:45 p.m. – 3:15 p.m.	**MWC2 • GaN-based Vertical Structure LED and Laser Lift Off Technique** Speaker: Guo Yi Zhang (Peking University, China)
3:15 p.m. – 3:35 p.m.	*Coffee Break*
3:35 p.m. – 4:05 p.m.	**MWC3 • Current Trend in Power Chips** Speaker: Henry Kuo (National Chiao Tung University, Taiwan)
4:05 p.m. – 4:35 p.m.	**MWC4 • High Power LED for Solid-state Lighting** Speaker: S.J. Hon (Epistar Co., Taiwan)
4:35 p.m. – 5:05 p.m.	**MWC5 • A Novel Substrate Removal Method for Power GaN LEDs** Speaker: Shu Yuan (ASTRI, Hong Kong)
5:05 p.m. – 5:50 p.m.	**Panel Discussion: GaN Power LED Technology Trend**
5:50 p.m. – 6:00 p.m.	**Closing Speech** Speaker: Shu Yuan (ASTRI, Hong Kong, China)

Workshops

Monday, 13 July 2009 – Workshops	
MWD • Room S226 – S227	
Topic: Next-generation Broadband Optical Access – Future Challenges Chair: Chinlon Lin (Nanyang Technological University, Singapore) Co-chair: L.K. Chen (The Chinese University of Hong Kong, Hong Kong, China)	
Session 1: Broadband Network Architectures, WDM PON Evolution Strategies and Future Ultra-high-bandwidth Services	
1:30 p.m. – 3:00 p.m.	**MWD1 • Future High-bandwidth Demand Services and Network Trends** Speaker: K. Sato (Nagoya University, Japan)
	MWD2 • WDM for Future Access Architectures Speaker: Byiung Whi Kim (ETRI, WDM-PON Team, Korea)
	MWD3 • FTTH Strategies and Challenges in China Speaker: Jianli Wang (Wuhan Fiber Home, China)
	MWD4 • Evolutional Perspective of WDM-PON from NTT's Viewpoint Speaker: Naoto Yoshimoto (NTT Access Network Services Labs, Japan)
	MWD5 • Remotely Reconfigurable PON Architecture Speaker: Chang-Hee Lee (KAIST, Korea)
	MWD6 • Long Reach WDM-PON Speaker: Chi Wai Chow (National Chiao Tung University, Taiwan)
	MWD7 • WDM PON Protection and Restoration Speaker: Calvin K. Chan (The Chinese University of Hong Kong, China)
3:00 p.m. – 3:30 p.m.	**Panel Discussion I**
3:30 p.m. – 4:00 p.m.	*Coffee Break*

Workshops

MWD • Room S226 – S227	
Topic: Next-generation Broadband Optical Access – Future Challenges (continued) Chair: Chinlon Lin (Nanyang Technological University, Singapore) Co-chair: L.K. Chen (The Chinese University of Hong Kong, Hong Kong, China)	
Session 2: New Systems Techniques, New Devices and Components Technologies for Next-generation Broadband Access Needs	
4:00 p.m. – 5:30 p.m.	**MWD8 • The Requirements and Evolution to Next Generation Optical Access Network** Speaker: Feng Wang (Huawei Technologies, China)
	MWD9 • WDM PON R and D and Design of Fusionlight Testbed, FTTD (Fiber-to-the-Desk) Speaker: Yong Kee Yeo (A*Star I2R, Inst. Infocomm Research, Singapore)
	MWD10 • OFDM vs. WDM for Future Broadband Access Speaker: Ting Wang (NEC Labs America, USA)
	MWD11 • CDMA and OCDMA Mixed with WDM PON, Modules and Design Speaker: Takeshi Kamijoh (OKI Corporate R and D Center, Japan)
	MWD12 • Tunable Photonic Devices and Applications in Future Broadband Access Networks Speaker: Michael J. Wale (Bookham, UK)
	MWD13 • Low-cost Packaged Diode Lasers for 10 GbE WDM Devices for Next-generation Optical Access Speaker: Tien-Tsorng Shih (National Kaohsiung University of Applied Science, Taiwan)
5:30 p.m. – 6:00 p.m.	**Panel Discussion II**

Workshops

9:30 a.m. – 9:45 a.m.	**Opening Ceremony**
Plenary Session	
9:45 a.m. – 10:30 a.m.	**Future Directions of Optical Communications** Keynote Speech by Alan Willner *University of Southern California, USA*
10:30 a.m. – 11:15 a.m.	**Future of Solar Energy** Keynote Speech by Martin Green *The University of New South Wales, Australia*
11:15 a.m. – 12:00 p.m.	**Innovative and Cost Effective** **Optical Components for Fiber Communications** Keynote Speech by Wen Liu *FiberHome FuHua Electric Co. Ltd., China*
12:00 p.m. – 2:00 p.m.	*Lunch*